



CLIMATIC and GEOGRAPHIC DESIGN CRITERIA for GILA COUNTY
TABLE R301.2(1) AMENDED

SNOW LOADS ¹		
BELOW 4,500 ft. elevation	4,500 to 6,000 ft. elevation	ABOVE 6000 ft. elevation
ROOF LIVE LOAD 20 PSF ²	ROOF LIVE LOAD 40PSF	ROOF LIVE LOAD 40 PSF ³
GROUND SNOW LOAD 28 PSF	GROUND SNOW LOAD 57 PSF	GROUND SNOW LOAD 57 PSF ³
Includes: Christmas, Claypool, Cutter, Deer Creek Village, Doll Baby Ranch, Dripping Springs, Gisela, Globe, Gila County Fairgrounds, Greenback Valley, Hayden, Jakes Corner, Miami, North Bay Estates, Punkin Center, Roosevelt, Rye, Tonto Basin, Tonto Creek Shores, Wheatfields, Winkelman . .	Includes: Bear Flat, Beaver Valley, Bonita Creek Estates, Camp Geronimo, Christopher Creek, East Verde Park, El Capitan, Ellison Creek Estates, Flowing Springs, Geronimo Estates, Haigler Creek subdivision, Hunter Creek Ranch, Kohl's Ranch, Mesa Del Caballo, Oxbow Estates, Payson, Pine, Rose Creek Lodge, Round Valley, Strawberry, Tonto Natural Bridge, Tonto Village, Verde Glen, Whispering Pines, Young	Includes: Canyon Creek Fish Hatchery, Colcord Mountain Estates, Diamond Point Lookout, El Capitan Peak, Gordon Canyon Ranch, Mazatzal Peak, Mead Ranch, Mountain Meadows, Mt. Ord, Nail Ranch, OW Ranch, Pinal Peak, Ponderosa Springs, Signal Peak, Tonto Creek Fish Hatchery, Washington Park .

1. Some ground snow loads were interpolated from known roof snow loads.
2. The minimum roof / live load required by Code = 20 psf
3. or per historical data available.

SEISMIC DESIGN CATEGORY ^{4, 5}		WIND DESIGN
B	C	County-wide
Includes: Christopher Creek, Doll Baby Ranch, East Verde Park, Gisela, Geronimo Estates, Haigler Creek, Hayden, Jake's Corner, Kohl's Ranch, Payson, Pine, Ponderosa Springs, Punkin Center, Rose Creek Ranch, Rye, Roosevelt, Roosevelt Lake Estates, Strawberry, Tonto Basin, Tonto Village, Wheatfields, Washington Park, Whispering Pines, Winkelman, Young	Includes: Chapparal Estates, Central Heights, Copper Canyon Ranches, Christmas Mine, Claypool, Cutter, Dripping Springs, Dripping Springs Rd., El Capitan, Gila County Fairgrounds, Globe, Hobbs Ranch Rd., Miami, Peridot, Pioneer Hills, Pioneer Pass Rd., Russell Gulch Rd., San Carlos, San Carlos Reservoir, Six Shooter Canyon	<p>SPEED: 3 Second gust = 90 m.p.h. Fastest mile wind speed = 76 m.p.h. .</p> <p>TOPOGRAPHIC EFFECTS: No (Exposure B is presumed) .</p>

4. See map on file in Community Development for more detailed information.
5. Site Category D is presumed

FACTORS AFFECTING DESIGN		
	BELOW 4,500 feet	4,500 feet and ABOVE
WEATHERING	Negligible	Moderate
FROST	Bottom of footing must be 12" min. below undisturbed ground surface.	Bottom of footing must be 12" min. below undisturbed ground surface and 18" min. below finished grade.
WINTER DESIGN TEMP	Averages 28 degrees	Averages 17 degrees
MEAN ANNUAL TEMPERATURE	Averages 65 degrees	Averages 55 degrees ⁶
AIR FREEZING INDEX	Less than 1500 cumulative degree days below freezing	
ICE BARRIER UNDERLAYMENT	Not required	
TERMITES	Moderate to heavy	
FLOOD HAZARDS	As determined by the Gila County Floodplain Dept. and/or Engineer	

6. Based on Payson area.